

Abstract of the Disclosure

CARPET LATEX COMPOUND

5 This invention relates to a carboxylated styrene-butadiene latex for utilization in bonding carpet piles to carpet backing. By utilizing this improved latex, it is possible to attain improved wet-adhesion, a stronger tuft bind and improved delamination
10 resistance. These improved properties are attained by including a rosin acid soap in the carboxylated styrene-butadiene latex. This invention more specifically discloses a carpet latex compound which is comprised of (a) a carboxylated styrene-butadiene
15 latex, (b) a filler, (c) a thickener and (d) optionally, a curative; wherein said carboxylated styrene-butadiene latex is comprised of (i) water, (ii) a carboxylated styrene-butadiene rubber, (iii) an emulsifier and (iv) a rosin acid soap. The subject
20 invention further discloses a process for manufacturing carpet which comprises the steps of (1) coating one side of a backing with a carpet latex compound to produce a latex-coated backing, wherein the carpet latex compound is comprised of (a) a
25 carboxylated styrene-butadiene latex, (b) a filler, (c) a thickener and (d) optionally, a curative, and wherein said carboxylated styrene-butadiene latex is comprised of (i) water, (ii) a carboxylated styrene-butadiene rubber, (iii) an emulsifier and (iv) a rosin acid soap; (2) bringing a pile into contact with the coated side of the latex-coated backing and (3) allowing the carpet latex compound to dry while keeping the pile in contact with the coated side of the latex-coated backing to produce the carpet.

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